

APPENDIX D

```
#include <stdio.h>
#include <unistd.h>
#include <errno.h>
#include <stdlib.h>
#include <sys/types.h>
#include <sys/stat.h>
#include <fcntl.h>
#include <string.h>

//
// Creates test Data file with specified number of records
// format of Data file is:
//
// <7 Hexdigit><tab><decimal string><newline>
//
// Example (16th record): 000010      16
//
// Query basically converts Hex (key) into Decimal via Data lookup.
//
char stuff[]="this is a test data file that contains about 100 bytes/record line.
Is for test....";
main( int argc, char *argv[] )
{
    unsigned int    i;
    unsigned int    cnt;

    if ( argc != 2 || (cnt = (unsigned int)atoi( argv[1] )) < 1 )
    {
        printf ( "usage: %s <count>\n", argv[0] );
        exit(1);
    }
    for ( i = 0; i < cnt; i++ )
        printf ( "%7.7x\t%8.8d\t%82.82s\n", i, i, stuff );
}
```